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IN THE UNITED STATES PATENT AND TRADEMA~~TECH CENTER 1600/2633~~ OFFICE

In re Application of )  
Michael GROLL et al )  
Serial No. 09/381,286 ) Examiner: Lori A. Clow  
Filed: December 7, 1999 ) Group Art Unit: 1631  
For: PROCESS FOR THE PURIFICATION AND CRYSTALLIZATION OF  
PROTEASOME )

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SUBMISSION OF FORMAL DRAWINGS

Assistant Commissioner for Patents  
Washington, D.C. 20231

January 21, 2003

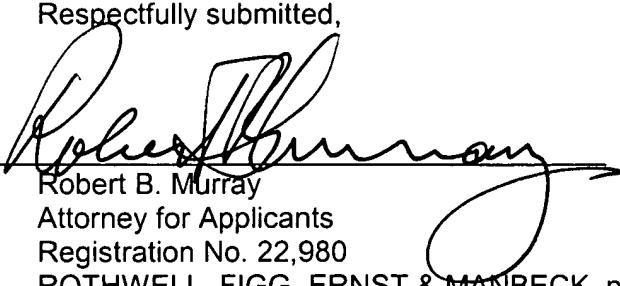
Dear Sir:

Attached hereto are sixteen (16) sheets of formal drawings to replace the drawings filed with the above application.

An extra copy of Figures 3 and 7 is enclosed. It is believed that the use of color facilitates the understanding of the drawings, and it will be recalled that a Petition to Accept color drawings was earlier filed in this application. The Examiner is requested to utilize the colored drawings for Figures 3 and 7, but if those are found objectionable for any reason, black and white copies of these drawings are also attached.

Respectfully submitted,

By

  
Robert B. Murray  
Attorney for Applicants  
Registration No. 22,980  
ROTHWELL, FIGG, ERNST & MANBECK, p.c.  
Suite 800, 1425 K Street, N.W.  
Washington, D.C. 20005  
Telephone: (202)783-6040

Enclosures: Notice of Draftsperson's Patent Drawing Review  
Drawings - 16 sheets with two sheets in color



## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 12-7-99 are:

A.  approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
 B.  objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

<p><b>1. DRAWINGS.</b> 37 CFR 1.84(a): Acceptable categories of drawings:      Black ink. Color.      — Color drawings are not acceptable until petition is granted.      Fig(s) _____      Pencil and non-black ink not permitted. Fig(s) _____</p> <p><b>2. PHOTOGRAPHS.</b> 37 CFR 1.84 (b)      — 1 full-tone set is required. Fig(s) _____      — Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) _____      — Poor quality (half-tone). Fig(s) <u>1,195</u></p> <p><b>3. TYPE OF PAPER.</b> 37 CFR 1.84(e)      — Paper not flexible, strong, white, and durable.      Fig(s) _____      — Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____      — Mylar, vellum paper is not acceptable (too thin).      Fig(s) _____</p> <p><b>4. SIZE OF PAPER.</b> 37 CFR 1.84(f): Acceptable sizes:      — 21.0 cm by 29.7 cm (DIN size A4)      — 21.6 cm by 27.9 cm (8 1/2 x 11 inches)      — All drawing sheets not the same size.      Sheet(s) _____      — Drawings sheets not an acceptable size. Fig(s) _____</p> <p><b>5. MARGINS.</b> 37 CFR 1.84(g): Acceptable margins:      Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm      SIZE: A4 Size      Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm      SIZE: 8 1/2 x 11      Margins not acceptable. Fig(s) <u>1A - 2, 4 B, 5</u>      — Top (T) _____ Left (L) _____      — Right (R) _____ Bottom (B) _____</p> <p><b>6. VIEWS.</b> 37 CFR 1.84(h)  <b>REMINDER:</b> Specification may require revision to correspond to drawing changes.      Partial views. 37 CFR 1.84(h)(2)      — Brackets needed to show figure as one entity.      Fig(s) _____      — Views not labeled separately or properly.      Fig(s) _____      — Enlarged view not labeled separately or properly.      Fig(s) _____</p> <p><b>7. SECTIONAL VIEWS.</b> 37 CFR 1.84 (h)(3)      — Hatching not indicated for sectional portions of an object.      Fig(s) _____      — Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p>	<p><b>8. ARRANGEMENT OF VIEWS.</b> 37 CFR 1.84(i)      — Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p><b>9. SCALE.</b> 37 CFR 1.84(k)      — Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.      Fig(s) _____</p> <p><b>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS.</b>  <b>37 CFR 1.84(i)</b>      — Lines, numbers &amp; letters not uniformly thick and well defined, clean, durable, and black (poor line quality).      Fig(s) <u>1A - 8</u>  <b>11. SHADING.</b> 37 CFR 1.84(m)      — Solid black areas pale. Fig(s) _____      — Solid black shading not permitted. Fig(s) _____      — Shade lines pale; rough and blurred. Fig(s) _____</p> <p><b>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS.</b>  <b>37 CFR 1.84(p)</b>      — Numbers and reference characters not plain and legible.      Fig(s) <u>1A - 8</u>      — Figure legends are poor. Fig(s) _____      — Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1).      Fig(s) _____      — English alphabet not used. 37 CFR 1.84(p)(2)      Figs _____      — Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)      Fig(s) _____</p> <p><b>13. LEAD LINES.</b> 37 CFR 1.84(q)      — Lead lines cross each other. Fig(s) _____      — Lead lines missing. Fig(s) _____</p> <p><b>14. NUMBERING OF SHEETS OF DRAWINGS.</b> 37 CFR 1.84(t)      — Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____</p> <p><b>15. NUMBERING OF VIEWS.</b> 37 CFR 1.84(u)      — Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p><b>16. CORRECTIONS.</b> 37 CFR 1.84(w)      — Corrections not made from prior PTO-948 dated _____</p> <p><b>17. DESIGN DRAWINGS.</b> 37 CFR 1.152      — Surface shading shown not appropriate. Fig(s) _____      — Solid black shading not used for color contrast.      Fig(s) _____</p>
<b>COMMENTS</b>	

REVIEWER J.C.

DATE 1/26/00 TELEPHONE NO. 703 305 8730

ATTACHMENT TO PAPER NO. 9

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